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(54) **COUNTERMEASURE THREAT EMULATOR AND METHOD**

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(58) **Field of Search** 367/1; 114/21.3; 434/6, 10

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(57) **ABSTRACT**

A system and method is disclosed for a countermeasure threat emulator (CME) provided in a tubular housing that may be launched from a submarine or ship. The CME electronics include a CPU board for running software, communicating with a computer external to the housing and data recording. The external computer preferably incorporates a database having data representative of a plurality of both foreign and domestic countermeasures. The data may be downloaded to the CPU board as well as updated for reprogramming of the CPU board. A digital signal processing board utilizes a plurality of DSP processors for running software capable of producing a wide range of acoustic signal outputs. A neural network may be used for analyzing and identifying acoustic sounds from incoming threats and notifying the CPU board for selection of a preprogrammed response for transmission by a transducer stack.

15 Claims, 1 Drawing Sheet